REFERENCES

[1] R. Nightingale *et al.*, "Post-TB health and wellbeing.," *Int J Tuberc Lung Dis*, 2023, doi: 10.5588/ijtld.22.0514.

[2] K. Wahedi, D. Zenner, S. Flores, and K. Bozorgmehr, "Mandatory, voluntary, repetitive, or one-off post-migration follow-up for tuberculosis prevention and control: A systematic review," *PLoS Med*, vol. 20, no. 1, pp. e1004030-, Jan. 2023, [Online]. Available: https://doi.org/10.1371/journal.pmed.1004030

[3] K. W. Yun *et al.*, "Clinical Characteristics and Etiology of Community-acquired Pneumonia in US Children, 2015–2018," *Pediatr Infect Dis J*, vol. 41, no. 5, 2022, [Online]. Available: https://journals.lww.com/pidj/fulltext/2022/05000/clinical_characteristics_and_etiology_of.4.aspx

[4] A. Torres *et al.*, "Pneumonia," *Nat Rev Dis Primers*, vol. 7, no. 1, p. 25, 2021, doi: 10.1038/s41572-021-00259-0.

[5] H. Agrawal, *Pneumonia Detection Using Image Processing And Deep Learning*. 2021. doi: 10.1109/ICAIS50930.2021.9395895.

[6] F. T. Korkmaz and K. E. Traber, "Innate immune responses in pneumonia," *Pneumonia*, vol. 15, no. 1, p. 4, 2023, doi: 10.1186/s41479-023-00106-8.

[7] J. Yayan, K.-J. Franke, M. Berger, W. Windisch, and K. Rasche, "Early detection of tuberculosis: a systematic review," *Pneumonia*, vol. 16, no. 1, p. 11, 2024, doi: 10.1186/s41479-024-00133-z.

[8] S. K. Sharma and A. Mohan, "Tuberculosis: From an incurable scourge to a curable disease - journey over a millennium," *Indian Journal of Medical Research*, vol. 137, no. 3, 2013, [Online]. Available: https://journals.lww.com/ijmr/fulltext/2013/37030/tuberculosis__from_an_incurable_scourge_to_a.7.aspx

[9] M. I. Jauhari *et al.*, "Implementation of Ensemble Machine Learning with Voting Classifier for Reliable Tuberculosis Detection Using Chest X-ray Images with Imbalance Dataset ," *Journal of Electronics, Electromedical Engineering, and Medical Informatics*, vol. 6, no. 4, Oct. 2024, doi: 10.35882/jeeemi.v6i4.472.

[10] H. Fujita, "AI-based computer-aided diagnosis (AI-CAD): the latest review to read first," *Radiol Phys Technol*, vol. 13, no. 1, pp. 6–19, 2020, doi: 10.1007/s12194-019-00552-4.

[11] X. Chen *et al.*, "Recent advances and clinical applications of deep learning in medical image analysis," *Med Image Anal*, vol. 79, p. 102444, 2022, doi: https://doi.org/10.1016/j.media.2022.102444.

[12] A. Manconi, G. Armano, M. Gnocchi, and L. Milanesi, "A Soft-Voting Ensemble Classifier for Detecting Patients Affected by COVID-19," *Applied Sciences*, vol. 12, no. 15, 2022, doi: 10.3390/app12157554.

[13] S. Natarajan *et al.*, "Early diagnosis and meta-agnostic model visualization of tuberculosis based on radiography images," *Sci Rep*, vol. 13, Dec. 2023, doi: 10.1038/s41598-023-49195-x.

[14] V. Chouhan *et al.*, "A Novel Transfer Learning Based Approach for Pneumonia Detection in Chest X-ray Images," *Applied Sciences*, vol. 10, no. 2, 2020, doi: 10.3390/app10020559.

[15] Z. Jin *et al.*, "Deep learning for gastroscopic images: computer-aided techniques for clinicians," *Biomed Eng Online*, vol. 21, no. 1, p. 12, 2022, doi: 10.1186/s12938-022-00979-8.

[16] C. Cornelio, M. Donini, A. Loreggia, M. S. Pini, and F. Rossi, "Voting with random classifiers (VORACE): theoretical and experimental analysis," *Auton Agent Multi Agent Syst*, vol. 35, no. 2, p. 22, 2021, doi: 10.1007/s10458-021-09504-y.

[17] B. Fieri and D. Suhartono, "Offensive Language Detection Using Soft Voting Ensemble Model," *MENDEL*, vol. 29, no. 1, pp. 1–6, Jun. 2023, doi: 10.13164/mendel.2023.1.001.

[18] A. Manconi, G. Armano, M. Gnocchi, and L. Milanesi, "A Soft-Voting Ensemble Classifier for Detecting Patients Affected by COVID-19," *Applied Sciences*, vol. 12, no. 15, 2022, doi: 10.3390/app12157554.

[19] S. Liu, P. Reviriego, P. Montuschi, and F. Lombardi, "Error-Tolerant Computation for Voting Classifiers With Multiple Classes," *IEEE Trans Veh Technol*, vol. 69, no. 11, pp. 13718–13727, 2020, doi: 10.1109/TVT.2020.3025739.

[20] D. Ghoul, J. Patrix, G. Lejeune, and J. Verny, "A combined AraBERT and Voting Ensemble classifier model for Arabic sentiment analysis," *Natural Language Processing Journal*, vol. 8, p. 100100, 2024, doi: https://doi.org/10.1016/j.nlp.2024.100100.

[21] Md. A. A. Walid *et al.*, "Adapted Deep Ensemble Learning-Based Voting Classifier for Osteosarcoma Cancer Classification," *Diagnostics*, vol. 13, no. 19, 2023, doi: 10.3390/diagnostics13193155.

[22] Y. Cao, T. A. Geddes, J. Y. H. Yang, and P. Yang, “Ensemble deep learning in bioinformatics,” *Nat Mach Intell*, vol. 2, no. 9, pp. 500–508, 2020, doi: 10.1038/s42256-020-0217-y.

[23] H. Du, Y. Zhang, K. Gang, L. Zhang, and Y.-C. Chen, “Online ensemble learning algorithm for imbalanced data stream,” *Appl Soft Comput*, vol. 107, p. 107378, 2021, doi: https://doi.org/10.1016/j.asoc.2021.107378.

[24] T. Rahman *et al.*, “Reliable Tuberculosis Detection Using Chest X-Ray With Deep Learning, Segmentation and Visualization,” *IEEE Access*, vol. 8, pp. 191586–191601, 2020, doi: 10.1109/ACCESS.2020.3031384.

[25] A. Alqahtani, Q. Abu Al-Haija, A. A. Alsulami, B. Alturki, N. Alqahtani, and R. Alsini, “Optimizing chest tuberculosis image classification with oversampling and transfer learning,” *IET Image Process*, vol. 18, no. 5, pp. 1109–1118, Apr. 2024, doi: https://doi.org/10.1049/ipr2.13010.

[26] R. Geethamani and A. Ranichitra, “Enhancing Tuberculosis Detection: Leveraging RF-HOG Model for Automated Diagnosis from Chest X-ray Images,” *Procedia Comput Sci*, vol. 230, pp. 21–32, 2023, doi: https://doi.org/10.1016/j.procs.2023.12.057.

[27] C. Liu *et al.*, “Constrained Oversampling: An Oversampling Approach to Reduce Noise Generation in Imbalanced Datasets With Class Overlapping,” *IEEE Access*, vol. 10, pp. 91452–91465, 2022, doi: 10.1109/ACCESS.2020.3018911.

[28] M. M. Taye, “Understanding of Machine Learning with Deep Learning: Architectures, Workflow, Applications and Future Directions,” *Computers*, vol. 12, no. 5, 2023, doi: 10.3390/computers12050091.

[29] F. M. J. M. Shamrat, S. Azam, A. Karim, K. Ahmed, F. M. Bui, and F. De Boer, “High-precision multiclass classification of lung disease through customized MobileNetV2 from chest X-ray images,” *Comput Biol Med*, vol. 155, p. 106646, 2023, doi: https://doi.org/10.1016/j.compbiomed.2023.106646.

[30] T. Mahmood, J. Li, Y. Pei, and F. Akhtar, “An Automated In-Depth Feature Learning Algorithm for Breast Abnormality Prognosis and Robust Characterization from Mammography Images Using Deep Transfer Learning,” *Biology (Basel)*, vol. 10, no. 9, 2021, doi: 10.3390/biology10090859.

[31] M. Nahiduzzaman *et al.*, “A Novel Method for Multivariant Pneumonia Classification Based on Hybrid CNN-PCA Based Feature Extraction Using

Extreme Learning Machine With CXR Images," *IEEE Access*, vol. 9, pp. 147512–147526, 2021, doi: 10.1109/ACCESS.2021.3123782.

[32] R.-C. Chen, C. Dewi, Y.-C. Zhuang, and J.-K. Chen, "Contrast Limited Adaptive Histogram Equalization for Recognizing Road Marking at Night Based on Yolo Models," *IEEE Access*, vol. 11, pp. 92926–92942, 2023, doi: 10.1109/ACCESS.2023.3309410.

[33] J. Liu *et al.*, "Multi-Scale FPGA-Based Infrared Image Enhancement by Using RGF and CLAHE," *Sensors*, vol. 23, no. 19, 2023, doi: 10.3390/s23198101.

[34] D. Xiang, H. Wang, D. He, and C. Zhai, "Research on Histogram Equalization Algorithm Based on Optimized Adaptive Quadruple Segmentation and Cropping of Underwater Image (AQSCHE)," *IEEE Access*, vol. 11, pp. 69356–69365, 2023, doi: 10.1109/ACCESS.2023.3290201.

[35] S. M. Alqhtani *et al.*, "Improved Brain Tumor Segmentation and Classification in Brain MRI With FCM-SVM: A Diagnostic Approach," *IEEE Access*, vol. 12, pp. 61312–61335, 2024, doi: 10.1109/ACCESS.2024.3394541.

[36] S. M. Alqhtani *et al.*, "Improved Brain Tumor Segmentation and Classification in Brain MRI With FCM-SVM: A Diagnostic Approach," *IEEE Access*, vol. 12, pp. 61312–61335, 2024, doi: 10.1109/ACCESS.2024.3394541.

[37] O. Awe, G. Opateye, C. Johnson, O. Tayo, and R. Dias, "Weighted Hard and Soft Voting Ensemble Machine Learning Classifiers: Application to Anaemia Diagnosis," 2024, pp. 351–374. doi: 10.1007/978-3-031-41352-0_18.

[38] T. N. Rincy and R. Gupta, "Ensemble Learning Techniques and its Efficiency in Machine Learning: A Survey," in *2nd International Conference on Data, Engineering and Applications (IDEA)*, 2020, pp. 1–6. doi: 10.1109/IDEA49133.2020.9170675.

[39] S. Agrawal, S. K. Jain, A. Khatri, M. Agarwal, A. Tripathi, and Y.-C. Hu, "Novel PSO Optimized Voting Classifier Approach for Predicting Water Quality," *Math Probl Eng*, vol. 2022, no. 1, p. 6445580, 2022, doi: https://doi.org/10.1155/2022/6445580.

[40] L. Hwangbo *et al.*, “Stacking ensemble learning model to predict 6-month mortality in ischemic stroke patients,” *Sci Rep*, vol. 12, Mar. 2022, doi: 10.1038/s41598-022-22323-9.

[41] Z. Asghari Varzaneh, M. Shanbehzadeh, and H. Kazemi-Arpanahi, “Prediction of successful aging using ensemble machine learning algorithms,” *BMC Med Inform Decis Mak*, vol. 22, Oct. 2022, doi: 10.1186/s12911-022-02001-6.

[42] A. Dutta *et al.*, “Early Prediction of Diabetes Using an Ensemble of Machine Learning Models,” *Int J Environ Res Public Health*, vol. 19, no. 19, 2022, doi: 10.3390/ijerph191912378.

[43] E.-S. M. El-Kenawy, A. Ibrahim, S. Mirjalili, M. M. Eid, and S. E. Hussein, “Novel Feature Selection and Voting Classifier Algorithms for COVID-19 Classification in CT Images,” *IEEE Access*, vol. 8, pp. 179317–179335, 2020, doi: 10.1109/ACCESS.2020.3028012.

[44] M. S. Faisal, A. Rizwan, K. Iqbal, H. Fasihuddin, A. Banjar, and A. Daud, “Prediction of Movie Quality via Adaptive Voting Classifier,” *IEEE Access*, vol. 10, pp. 81581–81596, 2022, doi: 10.1109/ACCESS.2022.3195228.

[45] V. Anthonysamy and S. K. K. Babu, “Multi Perceptron Neural Network and Voting Classifier for Liver Disease Dataset,” *IEEE Access*, vol. 11, pp. 102149–102156, 2023, doi: 10.1109/ACCESS.2023.3316515.

[46] V. Alimisis, V. Mouzakis, G. Gennis, E. Tsouvalas, C. Dimas, and P. P. Sotiriadis, “A Hand Gesture Recognition Circuit Utilizing an Analog Voting Classifier,” *Electronics (Basel)*, vol. 11, no. 23, 2022, doi: 10.3390/electronics11233915.